

CLAIMS

What is claimed is:



A vehicle lift comprising:

- a) a pair of spaced-apart ramps;
- b) at least two cross members attached to and supporting the pair of spaced-apart ramps, each of the at least two cross members further having at least two opposed end blocks and at least one pulley attached to each end block;
- c) four spaced-apart U-shaped columns, each of the U-shaped columns having a base, a top cap, located opposite the base, and a cross member receiver slot wherein the end blocks on the cross members are slidingly received in the slot;
- d) a hydraulic cylinder device; and,
- e) a plurality of cables, each cable fixed at one end to the top cap of one of the U-shaped columns and the opposite end to the hydraulic cylinder, so that when the hydraulic cylinder is actuated upward and downward movement of the cross members and the spaced-apart ramps occurs.

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2. The vehicle lift of claim 1, further comprising a plurality of spaced-apart locking tabs fixed in at least one of the four spaced-apart U-shaped columns.

3. The vehicle lift of claim 2, further comprising a locking mechanism fixed to at least one of the end blocks of the at least two cross members, adjacent the at least one U-shaped column having a plurality of spaced-apart locking tabs fixed therein, the locking mechanism further comprising a locking latch linked to a mechanical lever whereby actuation of the mechanical lever causes the locking latch to engage on of the plurality of spaced apart locking tabs in the U-shaped column, thereby preventing vertical movement of the cross member within the cross member receiver slot.

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4. The vehicle lift of claim 2, further comprising at least one tire block removably mounted on at least one of the spaced-apart ramps.

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5. The vehicle lift of claim 2, further comprising at least one drip tray removably mounted between the pair of spaced apart ramps.

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6. The vehicle lift of claim 2, further comprising a caster mounted adjacent the base of each of the four spaced-apart U-shaped columns.

7. The vehicle lift of claim 2 further comprising a flexible slotted dust cover mounted over the cross member receiver slot of each of the four spaced-apart U-shaped columns.

8. The vehicle lift of claim 2, further comprising an automatic shut off switch
slidably mounted within at least one of the four spaced-apart U-shaped
columns, substantially adjacent the cable therein such that when during
5 vertical movement, the end block of the cross member contacts the
automatic shut off switch, the vertical movement stops.

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~~A vehicle lift, comprising:~~

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- a) four spaced-apart U-shaped columns;
- b) a pair of ramps;
- c) at least two cross members supporting the pair of ramps, each of the cross rails having opposing ends slidably received and held within a cross rail receiver slot in one of the four spaced-apart U-shaped columns;
- d) a hydraulic cylinder;
- e) at least one cable having a securing end fastened within one of the four spaced-apart U-shaped columns and further having a pulling end attached to the hydraulic cylinder; and

10 wherein the at least one cable is maintained within the U-shaped column and is routed through a pulley on the end of one of the at least two cross rails received within the U-shaped column, such that when operated, the hydraulic cylinder pulls said at least one cable through the pulley thereby

15 raising at least two cross rails and the pair of ramps.

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10. The vehicle lift of claim 9, further comprising a plurality of spaced-apart locking tabs fixed in at least one of the four spaced-apart U-shaped columns.

11. The vehicle lift of claim 9, further comprising a locking mechanism fixed to at least one of the end blocks of the at least two cross members, adjacent the at least one U-shaped column having a plurality of spaced-apart locking tabs fixed therein, the locking mechanism further comprising a locking latch linked to a mechanical lever whereby actuation of the mechanical lever causes the locking latch to engage on of the plurality of spaced apart locking tabs in the U-shaped column, thereby preventing vertical movement of the cross member within the cross member receiver slot.

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12. The vehicle lift of claim 9, further comprising at least one tire block removably mounted on at least one of the spaced-apart ramps.

13. The vehicle lift of claim 9, further comprising at least one drip tray removably mounted between the pair of spaced apart ramps.

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14. The vehicle lift of claim 9, further comprising a caster mounted adjacent the base of each of the four spaced-apart U-shaped columns.

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15. The vehicle lift of claim 9 further comprising a flexible slotted dust cover mounted over the cross member receiver slot of each of the four spaced-apart U-shaped columns.

16. The vehicle lift of claim 10, further comprising an automatic shut off switch slidably mounted within at least one of the four spaced-apart U-shaped columns, substantially adjacent the cable therein such that when during vertical movement, the end block of the cross member contacts the automatic shut off switch, the vertical movement stops.

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17. A vehicle lift, comprising:

- f) a plurality of spaced-apart columns;
- g) at least one ramp;
- 5 h) at least two cross rails supporting the at least one ramp, said at least two cross rails secured within a cross rail receiver slot in the plurality of spaced apart;
- i) a lifting mechanism;
- j) at least one cable having a securing end fastened substantially in the center of one of the plurality of spaced apart columns and said at least one cable attached to the lifting mechanism; and

10 wherein actuation of the lifting mechanism causes said at least one ramp to move vertically.

15 18. The vehicle lift of claim 17 wherein said plurality of columns are U-shaped.

19. The vehicle lift of claim 17 wherein each of said plurality of columns further comprises, a top cap having a hole therethrough for receiving and securing said at least one cable, a base, and a receiver slot extending substantially from said top cap to said base.

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20. The vehicle lift of claim 18, further comprising a locking mechanism fixed inside one of the plurality of U-shaped columns, said locking mechanism further comprising a plurality of spaced-apart locking tabs, a locking latch linked to a mechanical lever whereby actuation of the mechanical lever causes the locking latch to engage on any one of the plurality of spaced apart locking tabs.